Operators Manual

Includes Operators Manual Supplement for Law Enforcement Modification (LEM)

Caliber .40 S&W

In a world of compromise, some don't.

HK USP40 Compact – LEM Pistol

SAFETY RULES

Please read this operators manual before handling your firearm. The following safety rules are placed in this manual by Heckler & Koch as an important reminder that firearms safety is **your** responsibility. Firearms can be dangerous and can potentially cause serious injury, damage to property or death, if handled improperly.

1. Never point a firearm at anyone, or in any direction other than a SAFE direction, i.e. downrange.
2. Treat all firearms as if they are always loaded.
3. Keep your finger off the trigger and outside of the trigger guard until your sights are aligned on the target and you are ready to fire.
4. Keep your finger off the trigger and outside of the trigger guard while loading or unloading the firearm.
5. Keep your finger off the trigger and outside of the trigger guard while pulling the firearm out of the holster or while returning it to the holster.
6. Be sure of your target and the back stop beyond.
7. Never give a firearm to or take a firearm from anyone unless the action is open and the magazine and/or chamber are free of any ammunition or brass.
8. Be sure that the ammunition you are using is factory loaded, is of the correct caliber for the firearm in which it is to be used, and that it is not damaged in any way.
9. Before firing, remove the magazine from the firearm, lock the action open, make sure the chamber is clear of any ammunition or brass, and check the barrel of the **unloaded** firearm for any possible obstructions.
10. Before firing any firearm that is unfamiliar to you, make sure that you understand exactly how it functions. A lack of familiarity with the firearm can result in serious accidents. Attend a certified training course on any firearm which you intend to use or with which you are not sufficiently familiar.
11. Always wear hearing and eye protection when using your firearm.
12. Keep all body parts, especially the hands and fingers, away from the muzzle to avoid injury or burns.
13. Be sure that no part of either hand touches or interferes with the slide. The slide is moved backwards by the recoil force of the pistol during firing and may cause serious injury.
14. Firearms should be stored separately from ammunition and beyond the reach of children, and/or any untrained individuals.
15. Avoid the use of any alcoholic beverages or drugs before and during the use of any firearm.
16. Discharging firearms in poorly ventilated areas, cleaning firearms, or handling ammunition may result in exposure to lead, a substance known to be associated with birth defects, reproductive harm, and other serious injury. Have adequate ventilation at all times. Wash hands thoroughly after exposure.

STOP! Know how to clear this pistol before attempting to operate.

Clearing the Pistol The HK USP Pistol with Law Enforcement Modification (LEM) parts is not considered "clear" or safe unless:

1. The magazine is removed from the pistol and;
2. The slide is locked to the rear and;
3. The chamber is free of brass or ammunition

To Clear the HK USP Pistol with LEM parts:

1. **Make sure fingers are outside of the trigger guard and the pistol is pointed in a safe direction at all times!**
2. **Remove magazine** - depress the magazine release lever and remove the magazine from the pistol.
3. **Open and lock slide** - **while pointing the pistol in a safe direction,** lock the slide open by pulling the slide rearward as you press the slide release upward. Watch for a cartridge or empty case to be ejected from the pistol.
4. **Inspect chamber** - inspect chamber for the presence of a cartridge or empty case by:
   - Visually viewing chamber through open ejection port and;
   - Physically inserting finger into chamber through ejection port to check for the presence of a cartridge or empty case.

Remove any cartridges or empty cases from the chamber or from within the pistol.

The HK USP Pistol is now considered "Clear".

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HK USP40 Compact–LEM Pistol Operators Manual

Includes Operators Manual Supplement for Law Enforcement Modification (LEM)

Caliber .40 S&W

This manual applies to the Heckler & Koch USP40 Compact – LEM Pistol (Caliber .40 S&W) with 7.5-8.5 pound double-action only trigger pull as adopted and issued to INS personnel. The illustrations show the USP40 Compact. All USP Pistols comply with NIJ Standard – 0112.00

WARNING

A firearm has the capability of taking your life or the life of someone else! Be extremely careful with your firearm. An accident can occur at anytime and is almost always the result of not following basic safety rules.

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OPERATORS MANUAL SUPPLEMENT FOR USP PISTOL WITH LAW ENFORCEMENT MODIFICATION (LEM)

The HK USP Pistol received with this supplement section (pages 7-12) is fitted with special Double-Action Only (DAO) trigger parts set called the “Law Enforcement Modification”, or LEM for short.

This supplement must be used in conjunction with the current Operators Manual for the pistol received. Please review this supplement and the complete Operators Manual for this pistol before handling the firearm. The USP Pistol fitted with the LEM parts has the same features and controls and is handled in the same manner as other DAO variant 7 USPs with the exception of those differences listed within this supplement (pages 7-12).

Description

The Law Enforcement Modification (LEM) is a series of unique trigger mechanism parts created specifically to improve the quality and reduce the weight of the Double-Action Only trigger pull in the USP Pistol. At the time of this writing the LEM is only available to military and law enforcement organizations and their officers. With these parts installed the USP pistol can be fired like the standard DAO USP pistol where every round is fired by simply pulling the trigger fully rearward with the hammer starting at the forward rest position. There are no external decocking or safety levers present or required.

Due to the design of the proprietary HK LEM system the weight of the DAO trigger pull has been reduced to 7.5-8.5 pounds when new and is easier to use due to the smoothness of the trigger pull.

NOTE: Optional 4.5-5.5 pound LEM trigger pull is also available for the USP.

Parts Unique to the Law Enforcement Modification

The unique parts of the INS-issue USP40 Compact-LEM pistol are listed below.

Part No.	Item Description
219452	Hammer
218513	Slide (375 g.), USP40C, complete
215820	Slide (375 g.),USP40C, incomplete
219443	Cocking piece
215809	Strut, hammer
218512	Frame, USP40C, incomplete

Part No.	Item Description
219438	Trigger bar
215827	Assembly, recoil spring, complete
219439	Sear, complete
215828	Guide rod, recoil spring
219441	Spring, trigger rebound
215830	Spring, recoil
219444	Spring, cocking piece
217439	Magazine,12-round, with extended floorplate, cpl.
214695	Spring, hammer
215661	Housing, magazine, 12-round, USP40 Compact
219454	Spring, firing pin block
219442	Catch
214212	Spring, magazine follower, 12-round, USP40 Compact

Operation

USP Pistols fitted with Law Enforcement Modification parts operate like standard variants of the USP Pistol. However, the way in which the hammer is cocked is unique. The hammer in the LEM is a two-piece hammer comprised of a cocking piece (not visible with the pistol assembled) and an external (visible) hammer. The hammer on a conventional Double-Action (DA) or DAO pistol is normally drawn to the rear, fully cocked and automatically released by the relatively long rearward pull of the trigger by the operator.

To insure reliable primer ignition even under adverse conditions the hammer spring that drives the hammer forward is relatively strong.

In a conventional DA or DAO pistol the operator is forced to compress the hammer spring by squeezing through the entire DA trigger pull while at the same time trying to hold the sights in alignment for accurate aiming. This can be difficult especially if the operators hand strength is marginal.

To address this problem, HK devised the unique Law Enforcement Modification. In the LEM system the quality of the trigger pull is improved while at the same time a stronger hammer spring can be employed to improve reliability by increasing the firing pin indent on the primer. The stronger hammer spring also helps to reduce the slide velocity when firing “hot” ammunition.

The HK LEM uses the rearward movement of the slide during loading or firing to fully compress the hammer spring instead of relying on the rearward pull of the trigger as in conventional DA or DAO systems.

The cocking piece and hammer are rotated rearward on the hammer axle when the slide moves fully rear-

ward. When fully to the rear the cocking piece is held in the cocked position by the sear and the hammer spring has been fully compressed by the hammer strut. As the slide travels forward the hammer is rotated back to and held in the forward position by the hammer rebound spring.

When the trigger is pulled rearward against the combined force (@ 7.5 – 8.5 pounds new) of the trigger, hammer rebound, firing pin block, and sear springs the internal passive safeties are disengaged and the sear releases the cocking piece. The cocking piece is then free to rotate the hammer forward on its axle under pressure of the compressed hammer spring imparted through the hammer strut to strike the firing pin and fire the chambered round.

Special LEM Considerations

HK Lock-Out Device Use - All new USP Pistols assembled at the factory after October 1999, except those pistols delivered to the INS, are fitted with HK's unique Lock-Out Device, an internal safety lock located within the lanyard loop insert found in the heel of frame and described in detail with the Operators Manual. With LEM parts installed the HK Lock-Out Device cannot be engaged (locked) if the LEM cocking piece is cocked and the hammer spring is compressed.

To engage the HK Lock-Out Device on pistols fitted with LEM parts the pressure stored in the hammer spring must first be released. You must **CLEAR** the pistol, insure that it is unloaded and safe and dry fire the pistol once to release the cocking piece and the tension on the hammer spring before you can engage the HK Lock-Out Device.

Long Term Pistol Storage - Anytime the slide is moved fully rearward on the USP Pistol fitted with LEM parts the hammer spring is compressed and held in that position until the cocking piece is released by pulling the trigger on the pistol. Therefore for long-term storage (more than 1 year) it is suggested that the pistol first be **CLEARED** and made safe then pointed in a safe direction and dry fired to release pressure on the hammer spring to maintain its life span.

Firing

All rounds are fired in the LEM DAO mode of fire as they are in conventional DA or DAO handguns. When

pulling the trigger rearward you will first feel a relatively long length of free travel (slack) and then a second stage of heavier but consistent pull that actually releases the hammer and fires the pistol.

In addition to providing an improved DAO trigger pull, the unique LEM also provides a very short trigger reset distance to enhance the speed of multiple or follow-up shots.

WARNING: Do not place your finger on the trigger or within the trigger guard until you have made a conscience decision to fire the pistol.

If you need additional information, please contact your customer service representative at Heckler & Koch at (703) 450-1900.

Parts List USP40 Compact-LEM Pistol

Item	Description	Identification No.
1	Barrel (.40 S&W)	215799
H	Recoil spring assembly with captive spring, complete (.40 S&W) (items 2-5)	215827
2	Recoil spring guide rod, incomplete	215828
3	Absorber bushing	215932
4	Recoil spring (.40 S&W)	215830
5	Recoil spring retainer	215831
H	Slide, complete (.40 S&W LEM) (items 6-16 without sights)	218513
6	Slide, incomplete (.40 S&W)	215820
H	Sight set, front & rear, USP with 6.4mm front sight & green tritium dots	702070
7	Front sight, 6.4mm, with green tritium (HESCO) INS standard (HK GMBH # 983568)	701245
H	Front sight, 6.0mm, green tritium	701244
H	Front sight, 6.2mm, green tritium	702076
H	Front sight, 6.6mm, green tritium	701246
H	Front sight, 6.8mm, green tritium	702075
H	Front sight, 7.0mm, green tritium	701247
H	Front sight, 7.2mm, green tritium	701248
8	Rear sight, with green tritium (HESCO) (HK GMBH # 983569)	702072
9	Rubber plug, extractor	215801
10	Extractor spring	214188
11	Extractor	215919
12	Roll pin for extractor (ISO 3x14mm)	980838
	Roll pin for firing pin (ISO 3x14mm)	980838
13	Firing pin spring	215822
14	Firing pin	215821
15	Firing pin block spring	219454
16	Firing pin block	215935
H	Operators manual, usp compact pistol with Lem Supplement	702073
H	Key for Lock-Out device	219456
H	Frame, complete (.40 S&W, LEM) (items 12, 17-41)	218511
17	Frame, incomplete (.40 S&W, LEM)	218512
18	Trigger axle	214154
19	Trigger	215816
20	Trigger rebound spring	219441
21	Flat spring	214167
22	Trigger bar detent spring	214166
23	Trigger bar detent	214165
24	Trigger bar	219438
25	Hammer axle (Double Action)	214258
26	Sear	219439
27	Catch	219442
28	Sear actuator latch	214817
29	Sear axle	214101
30	Disconnector	214840
31	Hammer	219452
32	Cocking piece	219443
33	Cocking piece spring	219444
34	Hammer strut	215809
35	Hammer spring	214695
36	HK Lock-Out device, complete	219457
H	Lanyard loop insert (std) without Lock-Out	214341
37	Lanyard loop insert pin	215829
38	Magazine release spring	215929
39	Magazine release	214818
40	Shaped spring (slide release)	214171
41	Slide release	215814
12	Magazine release axle (3x14mm)	980838
H	Magazine , .40 S&W, 12-round, with extended floorplate, complete (items 42 to 46)	